AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A ~~recording~~ computer-readable medium including digital data streams recorded by a recording apparatus, the computer-readable medium comprising:

a plurality of ~~sectors~~recording units, wherein digital ~~transport stream~~data units are sequentially recorded in one of the ~~sectors~~recording units, each ~~transport stream~~data unit having a predetermined length that is different than a length of a recording unit, and a received ~~transport stream~~data unit is recorded across ~~the~~ a remaining area of the one of the ~~sectors~~ recording units and ~~the~~ a next ~~sector~~ recording unit if ~~the~~ a size of the remaining area of the one of the ~~sectors~~ recording units is less than ~~the~~ a length of the received ~~transport stream~~data unit.

2. (Currently Amended) The recording medium as set forth in claim 1, wherein information on ~~the~~ a number of ~~transport stream~~data units contained in a ~~sector~~ recording unit is recorded on the computer-readable~~recording~~ medium, where ~~this~~ the number of data units varies based on a ~~transport stream~~data unit recorded across two sectors.

3. (Currently Amended) The recording medium as set forth in claim 1, wherein ~~transport stream~~data units whose leading bits have been recorded in an associated ~~sector~~ recording unit are counted and the counted number is recorded on the computer-readable~~recording~~ medium as the number of ~~transport stream~~data units contained in the associated ~~sector~~recording unit.

4. (Currently Amended) The recording medium as set forth in claim 1, wherein information is recorded ~~on~~ about a start position of a first ~~transport stream~~data unit of a ~~sector~~recording unit, the start position varying as a ~~transport stream~~data unit is recorded across two ~~sectors~~recording units.

5. (New) A method of recording data on a computer-readable medium, the method comprising:

sequentially recording data units in one of a plurality of recording units, each data unit having a predetermined length that is different than a length of a recording data unit,

wherein the sequentially recording step records a received data unit across a remaining area of the one of the recording units and a next recording unit if a size of a remaining area of the one of the recording units is less than a length of the received data unit.

6. (New) The method as set forth in claim 5, further comprising:

recording information on a number of data units contained in a recording unit on the computer-readable medium,

wherein the number of data units varies based on a data unit recorded across two sectors.

7. (New) The method as set forth in claim 5, further comprising:

counting a number of data units whose leading bits have been recorded in an associated recording unit; and

recording the counted number of data units on the computer-readable medium as the number of data units contained in the associated recording unit.

8. (New) The method as set forth in claim 5, further comprising:

recording information about a start position of a first data unit of a recording unit, the start position varying as a data unit is recorded across two recording units.

9. (New) An apparatus for recording digital data stream, comprising:

a data recorder configured to record the digital stream on a computer-readable medium; and

a controller configured to control the data recorder to sequentially record data units in one of a plurality of recording units, each data unit having a predetermined length that is different than a length of a recording data unit, and to record a received data unit across a remaining area

of the one of the recording units and a next recording unit if a size of a remaining area of the one of the recording units is less than a length of the received data unit.

10. (New) The apparatus as set forth in claim 9, wherein the controller is further configured to control the data recorder to record information on a number of data units contained in a recording unit on the computer-readable medium,

wherein the number of data units varies based on a data unit recorded across two sectors.

11. (New) The apparatus as set forth in claim 9, wherein the controller is further configured to count a number of data units whose leading bits have been recorded in an associated recording unit, and to control the data recorder to record the counted number od data units on the computer-readable medium as the number of data units contained in the associated recording unit.

12. (New) The apparatus as set forth in claim 9, wherein the controller is further configured to control the data recorder to record information about a start position of a first data unit of a recording unit, the start position varying as a data unit is recorded across two recording units.